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OM protein - protein search, using sw model

Run on: September 10, 2004, 09:27:32 : Search time 32 Seconds

(without alignments)  
582.405 Million cell updates/sec

Title: US-09-720-285-1

Perfect score: 1398

Sequence: 1 MPRGWAAPLLLLLLQGGWGC.....YLRQWVPPPLSLSPGPGAS 361

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.\*

1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pap.\*

2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pap.\*

3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pap.\*

4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pap.\*

5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pap.\*

6: /cgn2\_6/ptodata/2/iaa/backfiles1.pap.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1899.5	95.1	538	3	US-09-040-005-2
2	1899.5	95.1	538	4	US-09-522-217-115
3	1899.5	95.1	538	4	US-09-404-641-2
4	1899.5	95.1	538	4	US-09-923-246-115
5	1899.5	95.1	538	4	US-10-295-723-97
6	1197	59.9	606	4	US-09-522-217-97
7	1197	59.9	606	4	US-09-404-641-51
8	1197	59.9	606	4	US-09-923-246-97
9	1197	59.9	606	4	US-10-295-723-97
10	1151	57.6	529	4	US-09-404-641-85
11	1145	57.3	529	4	US-09-732-234-6
12	1145	57.3	529	4	US-09-784-859-6
13	637	31.9	397	4	US-09-404-641-81
14	240	12.0	551	3	5198359-2
15	240	12.0	551	6	5449756-2
16	240	12.0	551	6	5449756-4
17	233.5	11.7	539	6	5198359-4
18	233.5	11.6	539	6	5198359-7
19	222.5	11.1	468	1	US-08-164-614A-7
20	222.5	11.1	468	2	US-08-456-489B-7
21	205	10.3	438	4	US-09-339-838-7
22	205	10.3	438	4	US-09-339-838-7
23	198	9.9	508	2	US-08-850-293-5
24	194	9.7	500	4	US-09-596-377A-29
25	192	9.6	522	1	US-08-164-614A-10
26	192	9.6	522	2	US-08-456-489B-10
27	191.5	9.6	501	4	US-09-596-377A-28

28 190.5 9.5 500 4 US-09-596-377A-34 Sequence 34, Appl  
29 190.5 9.5 501 4 US-09-596-377A-27 Sequence 27, Appl  
30 187.5 9.4 379 1 US-08-164-614A-8 Sequence 8, Appl  
31 187.5 9.4 379 2 US-08-456-489B-8 Sequence 8, Appl  
32 187.5 9.4 536 1 US-08-164-614A-12 Sequence 12, Appl  
33 187.5 9.4 536 2 US-08-456-489B-12 Sequence 12, Appl  
34 185.5 9.3 369 2 US-08-424-224-2 Sequence 2, Appl  
35 185.5 9.3 369 5 PCT-US94-02891-69 Sequence 69, Appl  
36 176 8.8 581 4 US-09-851-985-4 Sequence 4, Appl  
37 176 8.8 694 4 US-09-851-985-2 Sequence 2, Appl  
38 174 8.7 897 1 US-07-960-389-2 Sequence 2, Appl  
39 173 8.7 825 4 US-09-921-667-16 Sequence 16, Appl  
40 173 8.7 826 4 US-09-687-050-6 Sequence 6, Appl  
41 169 8.5 52 4 US-03-404-641-79 Sequence 79, Appl  
42 167.5 8.4 635 1 US-08-184-327A-4 Sequence 4, Appl  
43 167.5 8.4 635 2 US-08-078-311-1 Sequence 1, Appl  
44 167.5 8.4 635 2 US-08-460-402-1 Sequence 1, Appl  
45 167.5 8.4 635 5 PCT-US95-00670-4 Sequence 4, Appl

#### ALIGNMENTS

#### RESULT 1

US-09-040-005-2  
; Sequence 2, Application US/09040005  
; Patent No. 6057128  
; GENERAL INFORMATION:  
; APPLICANT: Donaldson, Debra  
; APPLICANT: Unger, Michelle  
; TITLE OF INVENTION: MU-1 RECEPTOR  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genetics Institute, Inc.  
; STREET: 87 Cambridgepark Drive  
; CITY: Cambridge  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02140  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA: US/09/040,005  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brown, Scott A  
; REGISTRATION NUMBER: 32,724  
; REFERENCE/DOCKET NUMBER: G15320  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-498-8224  
; TELEFAX: 617-876-5851  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 538 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-09-040-005-2

Query Match 95.1%; Score 1899.5; DB 3; Length 538;  
Bes. Local Similarity 67.1%; Pred. No. 5.3e-182;  
Matches 361; Conservative 0; Mismatches 0; Indels 177; Gaps 1;

Qy 1 MPRGWAAPLLLLLLQGGWCPDLVCYTDYLTQVTCILEMNNLHSTLTLTWQDQYEEKLD 60  
Db 1 MPRGWAAPLLLLLLQGGWCPDLVCYTDYLTQVTCILEMNNLHSTLTLTWQDQYEEKLD 60  
Qy 61 EATSCSLHRAHNAHTATYTCMDVHFMADDIFSVNITDQSGNYSQECGSLFLAESIKP 120

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Db 61 EATSCSLHSAHNAHTATYCHMDVPHFMAADDIFSVNITDQSGNYSQECGSEFLAESIKP 120
Qy 121 APPFNTVTTFSGQYNIWSRSDYEDPAFYMLKGKLYELQYRNRGDPWAVSPRKLISVDS 180
Db 121 APPFNTVTTFSGQYNIWSRSDYEDPAFYMLKGKLYELQYRNRGDPWAVSPRKLISVDS 180
Qy 181 RSVSLLPLEFRKDSYELQYRAGMPGSSYQGTWSESDPVIPTQSEELKEGWNPHLL 240
Db 181 RSVSLLPLEFRKDSYELQYRAGMPGSSYQGTWSESDPVIPTQSEELKEGWNPHLL 240
Qy 241 LLLLVIVFIPAFWSLTKTHPLWRLWKKIWAVSPERFEMPLYKGCSDGFKKVGAPFTGSS 300
Db 241 LLLLVIVFIPAFWSLTKTHPLWRLWKKIWAVSPERFEMPLYKGCSDGFKKVGAPFTGSS 300
Qy 301 LELGPMSPVPSTLEVYCHPP----- 322
Db 301 LELGPMSPVPSTLEVYCHPP----- 360
Qy 323 ----- 322
Db 361 SAYSEERDRPYGLVSDITVTVLDAEGCTWPCSCDDGYPALDLDAGLEPSPGLEPLLD 420
Qy 323 ----- 322
Db 421 AGTTVLSCGVSAGSAGPLGGPLGSLDLRLKPLADGEDWAGGLPWGGRSPGVSESEAGS 480
Qy 323 -----SSPVECDTSPGDEGPPRSYLRQWVIPPPLSSPGPQAS 361
Db 481 PLAGLMDTDFSGVSGDCSPVECDTSPGDEGPPRSYLRQWVIPPPLSSPGPQAS 538
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## RESULT 2

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US-09-522-217-115
; Sequence 115, Application US/09522217
; Patent No. 6307024
; GENERAL INFORMATION:
; APPLICANT: No. 6307024ak, Julia E.
; APPLICANT: Presnell, Scott R.
; APPLICANT: Sprecher, Cindy A.
; APPLICANT: Foster, Donald C.
; APPLICANT: Holly, Richard D.
; APPLICANT: Gross, Jane A.
; APPLICANT: Johnston, Janet V.
; APPLICANT: Nelson, Andrew J.
; APPLICANT: Dillon, Stacey R.
; APPLICANT: Hammond, Angela K.
; TITLE OF INVENTION: NOVEL CYTOKINE ZAPLHALL LIGAND
; FILE REFERENCE: 99-16
; CURRENT APPLICATION NUMBER: US/09/522,217
; PRIOR FILING DATE: 2000-03-09
; EARLIER APPLICATION NUMBER: US 60/123,547
; EARLIER FILING DATE: 1999-03-09
; EARLIER APPLICATION NUMBER: US 60/123,904
; EARLIER FILING DATE: 1999-03-11
; EARLIER APPLICATION NUMBER: US 60/142,013
; EARLIER FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 115
; LENGTH: 538
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-522-217-115

Query Match 95.1%; Score 1899.5; DB 4; Length 538;
Best Local Similarity 67.1%; Pred. No. 5.3e-182;
Matches 361; Conservative 0; Mismatches 0; Indels 177; Gaps 1;
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Qy 1 MPRGWAAPLLLLLQGGWGPCDLYCYTYDLYQTVICILEMNNLHPSTLTITWQOQYBELKD 60
Db 1 MPRGWAAPLLLLLQGGWGPCDLYCYTYDLYQTVICILEMNNLHPSTLTITWQOQYBELKD 60
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Qy 61 EATSCSLHSAHNAHTATYCHMDVPHFMAADDIFSVNITDQSGNYSQECGSEFLAESIKP 120
Db 61 EATSCSLHSAHNAHTATYCHMDVPHFMAADDIFSVNITDQSGNYSQECGSEFLAESIKP 120
Qy 121 APPFNTVTTFSGQYNIWSRSDYEDPAFYMLKGKLYELQYRNRGDPWAVSPRKLISVDS 180
Db 121 APPFNTVTTFSGQYNIWSRSDYEDPAFYMLKGKLYELQYRNRGDPWAVSPRKLISVDS 180
Qy 181 RSVSLLPLEFRKDSYELQYRAGMPGSSYQGTWSESDPVIPTQSEELKEGWNPHLL 240
Db 181 RSVSLLPLEFRKDSYELQYRAGMPGSSYQGTWSESDPVIPTQSEELKEGWNPHLL 240
Qy 241 LLLLVIVFIPAFWSLTKTHPLWRLWKKIWAVSPERFEMPLYKGCSDGFKKVGAPFTGSS 300
Db 241 LLLLVIVFIPAFWSLTKTHPLWRLWKKIWAVSPERFEMPLYKGCSDGFKKVGAPFTGSS 300
Qy 301 LELGPMSPVPSTLEVYCHPP----- 322
Db 301 LELGPMSPVPSTLEVYCHPP----- 360
Qy 323 ----- 322
Db 361 SAYSEERDRPYGLVSDITVTVLDAEGCTWPCSCDDGYPALDLDAGLEPSPGLEPLLD 420
Qy 323 ----- 322
Db 421 AGTTVLSCGVSAGSAGPLGGPLGSLDLRLKPLADGEDWAGGLPWGGRSPGVSESEAGS 480
Qy 323 -----SSPVECDTSPGDEGPPRSYLRQWVIPPPLSSPGPQAS 361
Db 481 PLAGLMDTDFSGVSGDCSPVECDTSPGDEGPPRSYLRQWVIPPPLSSPGPQAS 538
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## RESULT 3

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US-09-404-641-2
; Sequence 2, Application US/09404641
; Patent No. 6576744
; GENERAL INFORMATION:
; APPLICANT: Presnell, Scott R.
; APPLICANT: Conklin, Darrell C.
; APPLICANT: No. 6576744ak, Julia E.
; APPLICANT: Hammond, Angela K.
; TITLE OF INVENTION: CYTOKINE RECEPTOR ZAPLHALL
; FILE REFERENCE: 98-55
; CURRENT APPLICATION NUMBER: US/09/404,641
; CURRENT FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: US 60/100,896
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: US 60/123,546
; PRIOR FILING DATE: 1999-03-09
; PRIOR APPLICATION NUMBER: US 60/142,574
; PRIOR FILING DATE: 1999-07-06
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 538
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-404-641-2
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Query Match 95.1%; Score 1899.5; DB 4; Length 538;
Best Local Similarity 67.1%; Pred. No. 5.3e-182;
Matches 361; Conservative 0; Mismatches 0; Indels 177; Gaps 1;
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Qy 1 MPRGWAAPLLLLLQGGWGPCDLYCYTYDLYQTVICILEMNNLHPSTLTITWQOQYBELKD 60
Db 1 MPRGWAAPLLLLLQGGWGPCDLYCYTYDLYQTVICILEMNNLHPSTLTITWQOQYBELKD 60
Qy 61 EATSCSLHSAHNAHTATYCHMDVPHFMAADDIFSVNITDQSGNYSQECGSEFLAESIKP 120
Db 61 EATSCSLHSAHNAHTATYCHMDVPHFMAADDIFSVNITDQSGNYSQECGSEFLAESIKP 120
Qy 121 APPFNTVTTFSGQYNIWSRSDYEDPAFYMLKGKLYELQYRNRGDPWAVSPRKLISVDS 180
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121 APPNVTVTFSGQYNI SWRSYEDPAFYMLKGKQYELQYENRGDPWAVSPRRKLIISVDS 180
181 RVSLLPLLEFRKDSYELQVRAGMPGSSYQGTWSESDPVI FQTSBELKEGWNPHLLL 240
181 RVSLLPLLEFRKDSYELQVRAGMPGSSYQGTWSESDPVI FQTSBELKEGWNPHLLL 240
241 LLLLVIVIPAFWSLKTTHPLWRLWKI WAVSPERFMPPLYKGCSDGDFKXWVGAPFTGSS 300
241 LLLLVIVIPAFWSLKTTHPLWRLWKI WAVSPERFMPPLYKGCSDGDFKXWVGAPFTGSS 300
301 LELGWSPEVSTLEVISCHPP----- 322
301 LELGWSPEVSTLEVISCHPPSPAKRLQLTELQEPALVESDGVKPSFWPTAQNSGG 360
323 ----- 322
361 SAYSEERDRPYGLYSIDTVTLDAEGPCTWPCSCEDDGYPALDLDAGLESPGLEDPDLD 420
323 ----- 322
421 AGTTVLSGCVSAGSPGLGGPLGSLDLRLKPLADGEDWAGLPGWGRSPGVSSEAGS 480
323 -----SSPVECDFTSPGDEGPPRSYLRQWVVI PPLSPSPGQAS 361
481 PLAGLMDTDFSGFVSGDCSPVECDFTSPGDEGPPRSYLRQWVVI PPLSPSPGQAS 538

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## RESULT 4

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US-09-923-246-115
; Sequence 115, Application US/09923246
; Patent No. 6605272
; GENERAL INFORMATION:
; APPLICANT: No. 6605272ak, Julia E.
; APPLICANT: Presnell, Scott R.
; APPLICANT: Sprecher, Cindy A.
; APPLICANT: Foster, Donald C.
; APPLICANT: Holly, Richard D.
; APPLICANT: Gross, Jane A.
; APPLICANT: Johnston, Janet V.
; APPLICANT: Nelson, Andrew J.
; APPLICANT: Dillon, Stacey R.
; APPLICANT: Hammond, Angela K.
; TITLE OF INVENTION: NOVEL CYTOKINE ZALPHALL LIGAND
; FILE REFERENCE: 99-16
; CURRENT APPLICATION NUMBER: US/09/923,246
; CURRENT FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/522,217
; PRIOR FILING DATE: EARLIER FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/123,904
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/142,013
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 115
; LENGTH: 538
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-923-246-115

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Query Match 95.1%; Score 1899.5; DB 4; Length 538;
Best Local Similarity 67.1%; Pred. No. 5.3e-182;
Matches 361; Conservative 0; Mismatches 0; Indels 177; Gaps 1;

QY 1 MPRGWAAPLLLLLQGGWGCPLVCYTDYLTQVTCILEMNNLHPSTLTLTWQDQYEELKD 60
Db 1 MPRGWAAPLLLLLQGGWGCPLVCYTDYLTQVTCILEMNNLHPSTLTLTWQDQYEELKD 60
QY 61 EATCSLHRSAHNATHATYTCMDVHFMADDIFSVNITDQSGNYSQBCGSLAESIKP 120
Db 61 EATCSLHRSAHNATHATYTCMDVHFMADDIFSVNITDQSGNYSQBCGSLAESIKP 120

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QY 121 APPNVTVTFSGQYNI SWRSYEDPAFYMLKGKQYELQYENRGDPWAVSPRRKLIISVDS 180
Db 121 APPNVTVTFSGQYNI SWRSYEDPAFYMLKGKQYELQYENRGDPWAVSPRRKLIISVDS 180
QY 181 RVSLLPLLEFRKDSYELQVRAGMPGSSYQGTWSESDPVI FQTSBELKEGWNPHLLL 240
Db 181 RVSLLPLLEFRKDSYELQVRAGMPGSSYQGTWSESDPVI FQTSBELKEGWNPHLLL 240
QY 241 LLLLVIVIPAFWSLKTTHPLWRLWKI WAVSPERFMPPLYKGCSDGDFKXWVGAPFTGSS 300
Db 241 LLLLVIVIPAFWSLKTTHPLWRLWKI WAVSPERFMPPLYKGCSDGDFKXWVGAPFTGSS 300
QY 301 LELGWSPEVSTLEVISCHPP----- 322
Db 301 LELGWSPEVSTLEVISCHPPSPAKRLQLTELQEPALVESDGVKPSFWPTAQNSGG 360
QY 323 ----- 322
Db 361 SAYSEERDRPYGLYSIDTVTLDAEGPCTWPCSCEDDGYPALDLDAGLESPGLEDPDLD 420
QY 323 ----- 322
Db 421 AGTTVLSGCVSAGSPGLGGPLGSLDLRLKPLADGEDWAGLPGWGRSPGVSSEAGS 480
QY 323 -----SSPVECDFTSPGDEGPPRSYLRQWVVI PPLSPSPGQAS 361
Db 481 PLAGLMDTDFSGFVSGDCSPVECDFTSPGDEGPPRSYLRQWVVI PPLSPSPGQAS 538

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## RESULT 5

```

US-10-295-723-115
; Sequence 115, Application US/10295723
; Patent No. 6686178
; GENERAL INFORMATION:
; APPLICANT: No. 6686178ak, Julia E.
; APPLICANT: Presnell, Scott R.
; APPLICANT: Sprecher, Cindy A.
; APPLICANT: Foster, Donald C.
; APPLICANT: Holly, Richard D.
; APPLICANT: Gross, Jane A.
; APPLICANT: Johnston, Janet V.
; APPLICANT: Nelson, Andrew J.
; APPLICANT: Dillon, Stacey R.
; APPLICANT: Hammond, Angela K.
; TITLE OF INVENTION: NOVEL CYTOKINE ZALPHALL LIGAND
; FILE REFERENCE: 99-16
; CURRENT APPLICATION NUMBER: US/10/295,723
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: 09/522,217
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: US 60/123,547
; PRIOR FILING DATE: 1999-03-09
; PRIOR APPLICATION NUMBER: US 60/123,904
; PRIOR FILING DATE: 1999-03-11
; PRIOR APPLICATION NUMBER: US 60/142,013
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 115
; LENGTH: 538
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-295-723-115

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Query Match 95.1%; Score 1899.5; DB 4; Length 538;
Best Local Similarity 67.1%; Pred. No. 5.3e-182;
Matches 361; Conservative 0; Mismatches 0; Indels 177; Gaps 1;

QY 1 MPRGWAAPLLLLLQGGWGCPLVCYTDYLTQVTCILEMNNLHPSTLTLTWQDQYEELKD 60
Db 1 MPRGWAAPLLLLLQGGWGCPLVCYTDYLTQVTCILEMNNLHPSTLTLTWQDQYEELKD 60
QY 61 EATCSLHRSAHNATHATYTCMDVHFMADDIFSVNITDQSGNYSQBCGSLAESIKP 120

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Db 781 TGGAGGCTATGGAAGAAGATATGGCGCTCCCGAGCCCTGAGCGGTCTTCTATGCCCGCTG 840  
Qy 841 TACAGAGGCTGAGCGGAGACTTCAAGAAATGGGTGGGTGACCCCTTCACTGGCTCCAGC 900  
Db 841 TACAGAGGCTGAGCGGAGACTTCAAGAAATGGGTGGGTGACCCCTTCACTGGCTCCAGC 900  
Qy 901 CTGGAGCTGGGACCTTGGAGCCCGAGAGGTGGCGCTCCAGCCCTGAGGTGTACAGCTGGCCAC 960  
Db 901 CTGGAGCTGGGACCTTGGAGCCCGAGAGGTGGCGCTCCAGCCCTGAGGTGTACAGCTGGCCAC 960  
Qy 961 CCACCAGGAGCGCGCCCAAGAG 983  
Db 961 CCACCAGGAGCGCGCCCAAGAG 983

## RESULT 3

US-10-295-723-7  
; Sequence 7, Application US/10295723  
; Patent No. 6686178  
; GENERAL INFORMATION:  
; APPLICANT: Presnell, Scott R.  
; APPLICANT: Sprecher, Cindy A.  
; APPLICANT: Foster, Donald C.  
; APPLICANT: Holly, Richard D.  
; APPLICANT: Gross, Jane A.  
; APPLICANT: Johnston, Janet V.  
; APPLICANT: Nelson, Andrew J.  
; APPLICANT: Dillon, Stacey R.  
; APPLICANT: Hammond, Angela K.  
; TITLE OF INVENTION: NOVEL CYTOKINE ZALPHAL1 LIGAND  
; FILE REFERENCE: 99-16  
; CURRENT APPLICATION NUMBER: US/10/295,723  
; CURRENT FILING DATE: 2002-11-15  
; PRIOR FILING DATE: 09/522,217  
; PRIOR FILING DATE: 2000-03-09  
; PRIOR APPLICATION NUMBER: US 60/123,547  
; PRIOR FILING DATE: 1999-03-09  
; PRIOR APPLICATION NUMBER: US 60/123,904  
; PRIOR FILING DATE: 1999-03-11  
; PRIOR APPLICATION NUMBER: US 60/142,013  
; PRIOR FILING DATE: 1999-07-01  
; NUMBER OF SEQ ID NOS: 115  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 7  
; LENGTH: 1614  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-295-723-7

Query Match 89.6%; Score 970.2; DB 4; Length 1614;  
Best Local Similarity 99.2%; Pred. No. 2.8e-255;  
Matches 975; Conservative 0; Mismatches 8; Indels 0; Gaps 0;  
Qy 1 ATGCGCGGTGGCTGGCGCGCCCTTGTCTCTGTCTGTCTCCAGGAGGCTGGGGTGC 60  
Db 1 ATGCGCGGTGGCTGGCGCGCCCTTGTCTCTGTCTGTCTCCAGGAGGCTGGGGTGC 60  
Qy 61 CCCAGCTCTGTCTACACGATTAACCTCCAGAGCGTCACTGATCTGGAAATGGG 120  
Db 61 CCCAGCTCTGTCTACACGATTAACCTCCAGAGCGTCACTGATCTGGAAATGGG 120  
Qy 121 AACCTCCACCCAGCAGCTCACCTTACCTGGCAGACCAAGTATGAGAGCTGAGAC 180  
Db 121 AACCTCCACCCAGCAGCTCACCTTACCTGGCAGACCAAGTATGAGAGCTGAGAC 180  
Qy 181 GAGGCACTCTCTGAGGCTCCAGAGTGGCGCCCAATGCCATGCCACCTACACC 240  
Db 181 GAGGCACTCTCTGAGGCTCCAGAGTGGCGCCCAATGCCATGCCACCTACACC 240  
Qy 241 TGCACATGATGATTTCCATTTTCATGCGCCAGCAATTTTCAGTGTCAACATCACAGAC 300

Db 241 TGCACATGATGATTTCCATTTTCATGCGCCAGCAATTTTCAGTGTCAACATCACAGAC 300  
Qy 301 CAGTCTGCAACTACTTCCAGAGAGTGTGGAGCTTTCTCTGGCTGAGAGCATCAAGCGG 360  
Db 301 CAGTCTGCAACTACTTCCAGAGAGTGTGGAGCTTTCTCTGGCTGAGAGCATCAAGCGG 360  
Qy 361 GCTCCCGCTTTCAAGCTGACCTTCTCAGGACAGTATAATATCTCTCTGGCGCTCA 420  
Db 361 GCTCCCGCTTTCAAGCTGACCTTCTCAGGACAGTATAATATCTCTCTGGCGCTCA 420  
Qy 421 GATTACGAAGACCTTCTTACATGCTGAAGGCAAGCTTTCAGTATGAGCTGAGTAC 480  
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Qy 481 AGGAACCGGGAGACCCCTGGGCTGTGAGTCCGAGGAGAAAGCTGATCTCAGTGA 540  
Db 481 AGGAACCGGGAGACCCCTGGGCTGTGAGTCCGAGGAGAAAGCTGATCTCAGTGA 540  
Qy 541 AGAAGTGTCTCCCTCTCCCTCGAGTTCCGAAAGACTCGAGCTATGAGCTGAGCTG 600  
Db 541 AGAAGTGTCTCCCTCTCCCTCGAGTTCCGAAAGACTCGAGCTATGAGCTGAGCTG 600  
Qy 601 CGGACAGGCGCCCATGCTGGCTCTCTTACACAGGAGACCTGGAGTGAATGGAGTAC 660  
Db 601 CGGACAGGCGCCCATGCTGGCTCTCTTACACAGGAGACCTGGAGTGAATGGAGTAC 660  
Qy 661 GTCATCTTTAGACCCAGTCAAGAGAGTTAAAGAAAGCTGGAACCTCACTGCTGCTT 720  
Db 661 GTCATCTTTAGACCCAGTCAAGAGAGTTAAAGAAAGCTGGAACCTCACTGCTGCTT 720  
Qy 721 CTCCTCTCTGTGTCTATAGTCTTCAATCTCTGAGCTTGAAGACCATCATTTG 780  
Db 721 CTCCTCTCTGTGTCTATAGTCTTCAATCTCTGAGCTTGAAGACCATCATTTG 780  
Qy 781 TGGAGGCTATGGAAGAAGATATGGCGCTCCCGAGCCCTCGAGCGGTCTTTCATGCC 840  
Db 781 TGGAGGCTATGGAAGAAGATATGGCGCTCCCGAGCCCTCGAGCGGTCTTTCATGCC 840  
Qy 841 TACAGAGGCTGAGCGGAGACTTCAAGAAATGGGTGGGTGACCCCTTCACTGGCTCC 900  
Db 841 TACAGAGGCTGAGCGGAGACTTCAAGAAATGGGTGGGTGACCCCTTCACTGGCTCC 900  
Qy 901 CTGGAGCTGGGACCCCTGGAGCCCGAGAGGTGGCGCTCCAGCCCTGGAGGTGTACAG 960  
Db 901 CTGGAGCTGGGACCCCTGGAGCCCGAGAGGTGGCGCTCCAGCCCTGGAGGTGTACAG 960  
Qy 961 CCACCAGGAGCGCGCTGTGGAGTG 983  
Db 961 CCACCAGGAGCGCGCAAGAG 983

## RESULT 4

US-09-040-005-1  
; Sequence 1, Application US/09040005  
; Patent No. 6057128  
; GENERAL INFORMATION:  
; APPLICANT: Donaldson, Debra  
; APPLICANT: Unger, Michelle  
; TITLE OF INVENTION: MU-1 RECEPTOR  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genetics Institute, Inc.  
; STREET: 87 CambridgePark Drive  
; CITY: Cambridge  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02140  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:







QY 841 TACAAGGGCTGCAGCGAGACTTCAAGAAATGGGTGGGTGACCCCTTCACTGGCTCCAGC 900  
DB 841 TAYAAAGGNTGWSNGGNGAYTTAARARTGGGTGGGNGCNCNTTACNGGNSWNSN 900  
QY 901 CTGAGCTGGGACCTCTGAGCCCGAGAGGTGCGCTCCACCTCGAGGTGTACAGCTGCCAC 960  
DB 901 YTGARYTNGGNCNTGWSNCCNGARGTNCNWSNACNTYNGARGTNTAYWSNTGYCA 960  
QY 961 CCACCCAGCAGCCCTGTGGAGTG 983  
DB 961 CCNCCNMGWSNCCNGCNAARMG 983

RESULT 7  
US-09-522-217-96  
; Sequence 96, Application US/09522217  
; Patent No. 6307024  
; GENERAL INFORMATION:  
; APPLICANT: Presnell, Scott R.  
; APPLICANT: Presnell, Scott R.  
; APPLICANT: Sprecher, Cindy A.  
; APPLICANT: Foster, Donald C.  
; APPLICANT: Holly, Richard D.  
; APPLICANT: Gross, Jane A.  
; APPLICANT: Johnston, Janet V.  
; APPLICANT: Nelson, Andrew J.  
; APPLICANT: Dillon, Stacey R.  
; APPLICANT: Hammond, Angela K.  
; TITLE OF INVENTION: NOVEL CYTOKINE ZALPHALL LIGAND  
; FILE REFERENCE: 99-16  
; CURRENT APPLICATION NUMBER: US/09/522,217  
; CURRENT FILING DATE: 2000-03-09  
; EARLIER APPLICATION NUMBER: US 60/123,547  
; EARLIER FILING DATE: 1999-03-09  
; EARLIER APPLICATION NUMBER: US 60/123,904  
; EARLIER FILING DATE: 1999-03-11  
; EARLIER APPLICATION NUMBER: US 60/142,013  
; EARLIER FILING DATE: 1999-07-01  
; NUMBER OF SEQ ID NOS: 115  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 96  
; LENGTH: 1821  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)...(1821)  
; OTHER INFORMATION: MBP-zalphall soluble receptor polynucleotide  
; OTHER INFORMATION: sequence  
US-09-522-217-96

Query Match 60.5%; Score 655; DB 4; Length 1821;  
Best Local Similarity 100.0%; Pred. No. 3 6e-169;  
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 57 CTGCCCCGACCTCTGTCTACACCGATTACTCCAGACGGTCTATCTGCATCTCGGAAAT 116  
DB 1164 CTGCCCCGACCTCTGTCTACACCGATTACTCCAGACGGTCTATCTGCATCTCGGAAAT 1223  
QY 117 GTGGAACCTCCACCCAGCAGCTCACCTTACTTGCAGACCGATGAGAGCTGAA 176  
DB 1224 GTGGAACCTCCACCCAGCAGCTCACCTTACTTGCAGACCGATGAGAGCTGAA 1283  
QY 177 GGAGAGGCCACCTCTGACGCTCCACAGGTGGGCCACAAATGCCAGCATGCCACTA 236  
DB 1284 GGAGAGGCCACCTCTGACGCTCCACAGGTGGGCCACAAATGCCAGCATGCCACTA 1343  
QY 237 CACTGCGACATGATGTATTCACCTTCATGCGCGACGACATTTTCAGTGTCAACATCAC 296  
DB 1344 CACTGCGACATGATGTATTCACCTTCATGCGCGACGACATTTTCAGTGTCAACATCAC 1403  
QY 297 AGACCACTCTGGCAACTACTCCAGGAGTGTGGAGCTTTCTCTGCTGCTGAGAGCATCAA 356

DB 1404 AGACCACTCTGGCAACTACTCCAGGAGTGTGGCAGCTTTCTCTGGCTGAGAGCATCAA 1463  
QY 357 GCCGGTCCCCCTTTCAACGTGACTGTGACCTTCTCAGGACAGTATAATATCTCTCTGGCG 416  
DB 1464 GCCGGTCCCCCTTTCAACGTGACTGTGACCTTCTCAGGACAGTATAATATCTCTCTGGCG 1523  
QY 417 CTCAGATTACGAAGACCTGCTTCTACATGCTGAAGGGCAAGCTTCAGTATGAGCTGCA 476  
DB 1524 CTCAGATTACGAAGACCTGCTTCTACATGCTGAAGGGCAAGCTTCAGTATGAGCTGCA 1583  
QY 477 GTACAGGAACCGGGGAGACCCCTGGGCTGTGAGTCCGAGGAGAAAGCTGTATCTCAGTGG 536  
DB 1584 GTACAGGAACCGGGGAGACCCCTGGGCTGTGAGTCCGAGGAGAAAGCTGTATCTCAGTGG 1643  
QY 537 CTCAGAAAGTGTCTCCCTCTCTCCCTGGAGTTCGGCAAGACTCGAGCTATGAGCTGCA 596  
DB 1644 CTCAGAAAGTGTCTCCCTCTCTCCCTGGAGTTCGGCAAGACTCGAGCTATGAGCTGCA 1703  
QY 597 GGTGGGGGAGGGCCCATGCTGCTCTCTACAGGGGACCTGGAGTGAATGAGTGA 656  
DB 1704 GGTGGGGGAGGGCCCATGCTGCTCTCTACAGGGGACCTGGAGTGAATGAGTGA 1763  
QY 657 CCGGTCATCTTTTCAGACCCAGTCCAGAGGAGTTAAAGGAGGCTGGAAACCTCTAC 711  
DB 1764 CCGGTCATCTTTTCAGACCCAGTCCAGAGGAGTTAAAGGAGGCTGGAAACCTCTAC 1818

RESULT 8  
US-09-404-641-50  
; Sequence 50, Application US/09404641  
; Patent No. 6576744  
; GENERAL INFORMATION:  
; APPLICANT: Presnell, Scott R.  
; APPLICANT: Conklin, Darrell C.  
; APPLICANT: No. 6576744k, Julia E.  
; APPLICANT: Hammond, Angela K.  
; TITLE OF INVENTION: CYTOKINE RECEPTOR ZALPHALL  
; FILE REFERENCE: 98-55  
; CURRENT APPLICATION NUMBER: US/09/404,641  
; CURRENT FILING DATE: 1999-09-23  
; PRIOR APPLICATION NUMBER: US 60/100,896  
; PRIOR FILING DATE: 1998-09-23  
; PRIOR APPLICATION NUMBER: US 60/123,546  
; PRIOR FILING DATE: 1999-03-09  
; PRIOR APPLICATION NUMBER: US 60/142,574  
; PRIOR FILING DATE: 1999-07-06  
; NUMBER OF SEQ ID NOS: 91  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 50  
; LENGTH: 1821  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Polynucleotide encoding MBP-zalphall soluble  
; OTHER INFORMATION: receptor fusion  
; NAME/KEY: CDS  
; LOCATION: (1)...(1821)  
US-09-404-641-50

Query Match 60.5%; Score 655; DB 4; Length 1821;  
Best Local Similarity 100.0%; Pred. No. 3 6e-169;  
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 57 CTGCCCCGACCTCTGTCTACACCGATTACTCCAGACGGTCTATCTGCATCTCGGAAAT 116  
DB 1164 CTGCCCCGACCTCTGTCTACACCGATTACTCCAGACGGTCTATCTGCATCTCGGAAAT 1223  
QY 117 GTGGAACCTCCACCCAGCAGCTCACCTTACTTGCAGACCGATGAGAGCTGAA 176  
DB 1224 GTGGAACCTCCACCCAGCAGCTCACCTTACTTGCAGACCGATGAGAGCTGAA 1283  
QY 177 GGAGAGGCCACCTCTGACGCTCCACAGGTGGGCCACAAATGCCAGCATGCCACTA 236